

Re: Correction Factor to Apply to Cumulative Exposure in Marysville Workers

Bob Benson to: Eric Borton

07/29/2010 10:43 AM

From: Bob Benson/R8/USEPA/US
To: Eric Borton <eric.borton@uc.edu>

For those who worked in the overtime departments (correction factor 1 individuals) and only worked part of the year, I can derive a separate factor for each season.

If someone moved from a correction factor 1 department to a correction factor 2 department or vice versa, we would have to apply a time weighted correction factor.

This could get very complicated if there are a lot of workers that switched between departments. Is there a way you can go through the worker job histories and assess the number of switchers? I am hoping we won't have to derive 280 separate correction factors.

Eric Borton ---07/29/2010 09:03:20 AM---Bob, Thank you for the correction factors. As seen in the equations you

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Date: 07/29/2010 09:03 AM
Subject: Re: Correction Factor to Apply to Cumulative Exposure in Marysville Workers

Bob,

Thank you for the correction factors. As seen in the equations you provided, the correction factors I and II are based on 365.25 days, hours and seasons. What is the best way to address workers who change from a correction factor I based department to a correction factor II based department during the year or more specifically within the Spring, Summer or Fall season intervals?

It is possible to edit worker department histories by moving forward the month a worker changes from a correction factor I to factor II based department to the month starting the next season. This would at least make a solution less complicated.

Eric

On 7/28/2010 9:08 AM, Benson.Bob@epamail.epa.gov wrote:
> Here is the derivation of the correction factors for the Marysville
> Workers. Let me know if this is not clear.

>

> (See attached file: Exposure Correction 2.doc)